

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0020_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0020_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0020_01_s_2013_11				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2018.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	0.42	Rating **	M	Issue No.	7
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171407°	39.171407°
				-121.752178°	-121.752178°
DWR ID	DWR_ST0020_01_f_2019_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.51	Rating **	U	Issue No.	25
LM End	0.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171392 °	39.171345 °
				-121.750478 °	-121.747585 °
DWR ID	DWR_ST0020_01_f_2016_25				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Olleanders are significantly blocking visibility and access.					

Photo 1 of 1 : FA_2019_ST0020_213_25_20190918_00026.jpg



View of the olleanders that are significantly blocking vehicle access. Fall 2019.

LM Start	0.67	Rating **	M	Issue No.	8
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171362°	39.171324°
				-121.747578°	-121.744518°
DWR ID	DWR_ST0020_01_f_2019_8				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.10	Rating **	M	Issue No.	15
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171290 °	39.171290 °
				-121.739639 °	-121.739639 °
DWR ID	DWR_ST0020_01_s_2019_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_213_15_20190822_00003.jpg



View of the trees on the landside slope. Spring 2019.

LM Start	1.33	Rating **	M	Issue No.	22
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171218 °	39.171218 °
				-121.735258 °	-121.735258 °
DWR ID	DWR_ST0020_01_f_2016_22				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_213_22_20190822_00009.jpg



View of the erosion along the bank.

LM Start	1.36	Rating **	M	Issue No.	24
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171220 °	39.171220 °
				-121.734730 °	-121.734730 °
DWR ID	DWR_ST0020_01_f_2016_24				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_213_24_20190822_00010.jpg



View of the erosion along the bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	09/17/2019 09/17/2019	Makar Sokol

LM Start	1.39	Rating **	M	Issue No.	13
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.171220°	39.171220°	
			-121.734147°	-121.734147°	
DWR ID	DWR_ST0020_01_f_2019_13				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
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+ Issue Type
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.01	Rating **	M	Issue No.	33
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171164 °	39.171025 °
				-121.726190 °	-121.721526 °
DWR ID	DWR_ST0020_02_f_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_214_33_20190920_00081.jpg



View of the vegetation along the waterside slope. Fall 2019.

LM Start	0.01	Rating **	M	Issue No.	34
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171159 °	39.171024 °
				-121.726173 °	-121.721526 °
DWR ID	DWR_ST0020_02_f_2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_214_34_20190920_00082.jpg



View of the vegetation along the landside slope. Fall 2019.

LM Start	0.30	Rating **	M	Issue No.	31
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171061 °	39.171061 °
				-121.720853 °	-121.720853 °
DWR ID	DWR_ST0020_02_f_2016_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_214_31_20190822_00009.jpg



View of the overgrown trees blocking visibility and access.

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	09/19/2019 09/19/2019	Makar Sokol

LM Start	0.43	Rating **	M	Issue No.	35
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171071 °	39.171065 °
				-121.718331 °	-121.717959 °
DWR ID	DWR_ST0020_02_f_2019_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.55	Rating **	M	Issue No.	36
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.171031 °	39.171031 °
				-121.716206 °	-121.716206 °
DWR ID	DWR_ST0020_02_f_2019_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.01	Rating **	M	Issue No.	37
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.170916 °	39.170826 °
				-121.707632 °	-121.701979 °
DWR ID	DWR_ST0020_02_f_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_ST0020_214_37_20190920_00083.jpg



View of the vegetation along the waterside slope. Fall 2019.

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+ Issue Type

Ma : Maintenance Deficiency
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Sutter Maintenance Yard East-West Interceptor

No Photos

View of sloughing on the waterside slope. Fall 2019.

View of erosion on the waterside slope/bank. Fall 2019.

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Sutter Maintenance Yard East-West Interceptor

View of typical erosion along the waterside slope.

No Photos

View of significant rodent activity on the waterside slope. Spring 2019.

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